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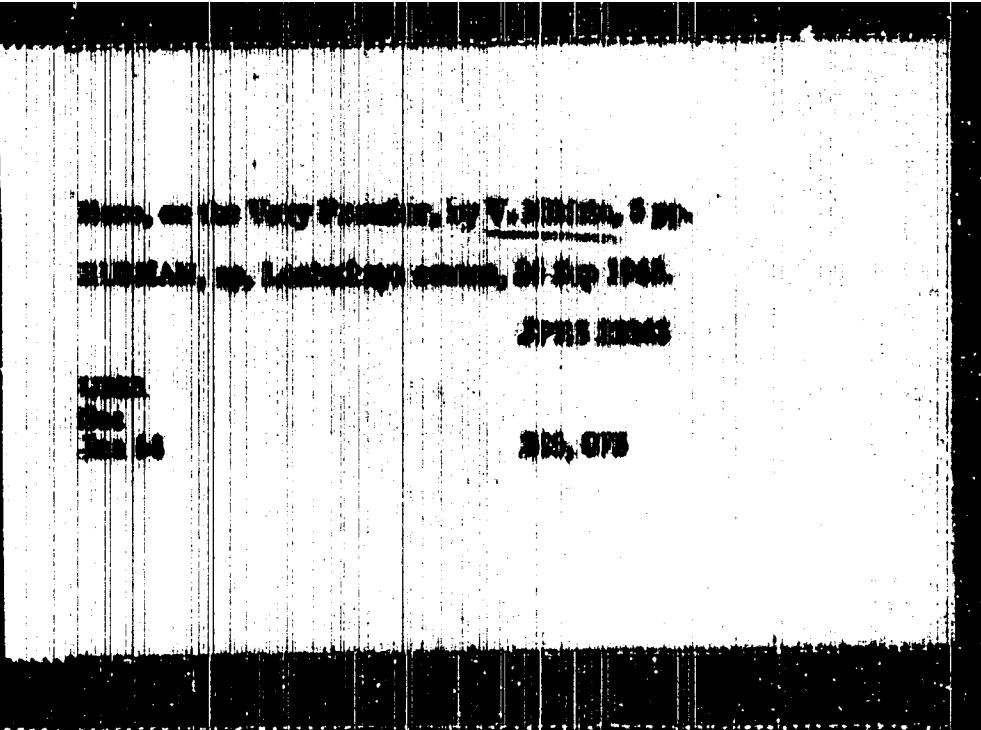
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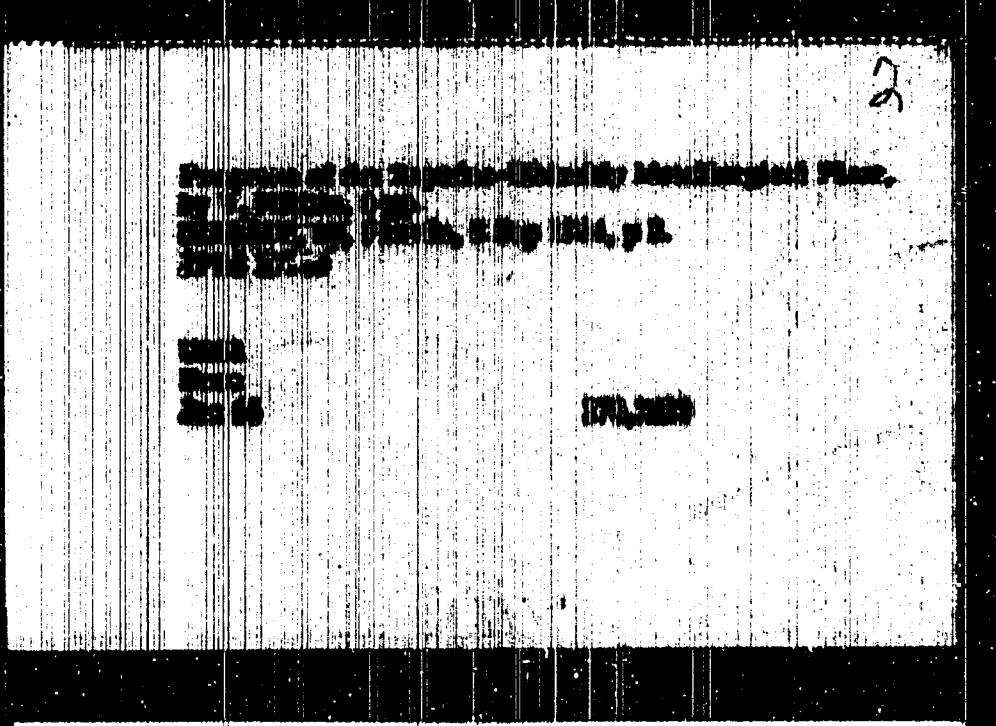
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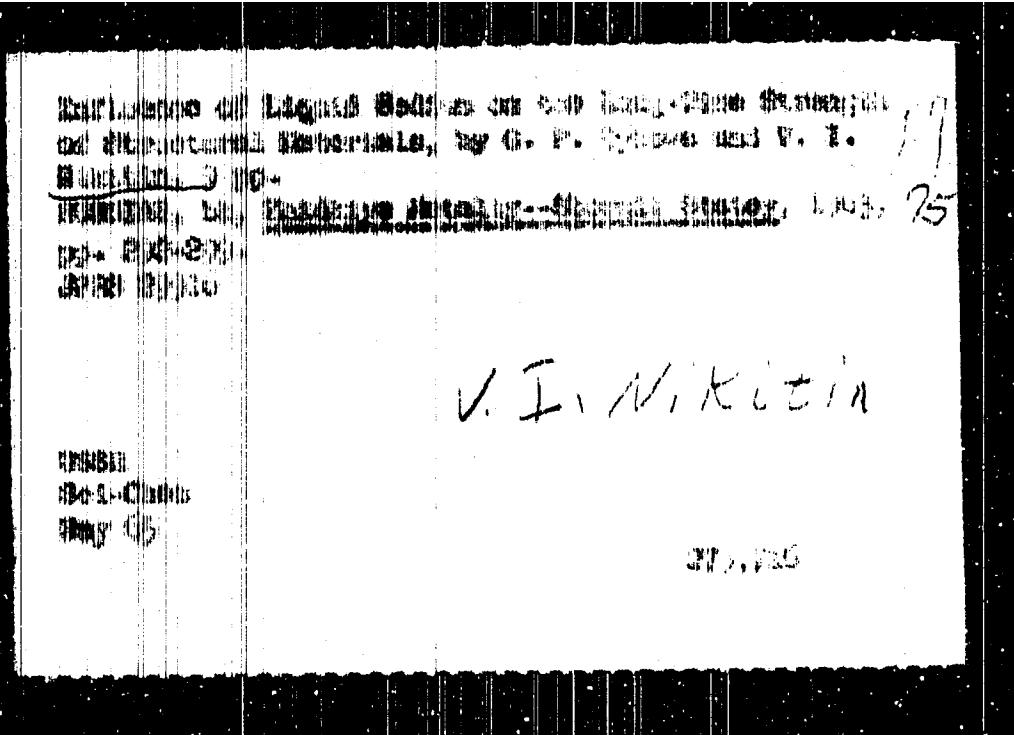
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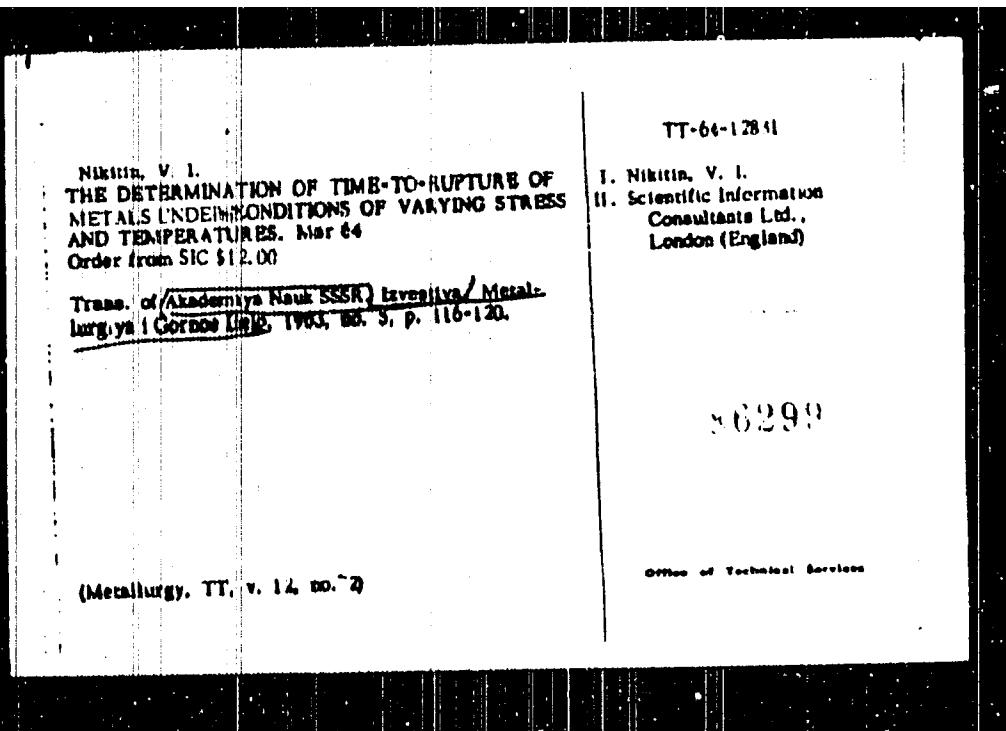
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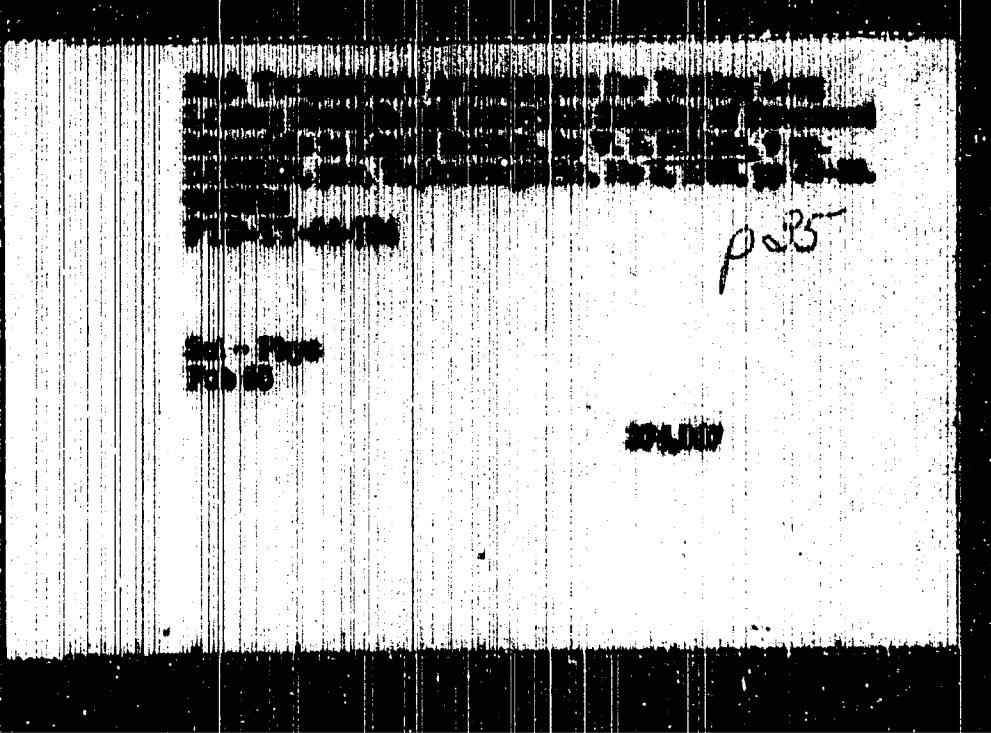
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DESCRIPTORS: \*Ethanol, Decomposition, \*Cadmium  
compounds, Nitrates, Chemical reactions, Dehy-  
dration, \*Aluminum compounds, Oxides, Dehydro-  
genation, Catalysts.

Decomposition of ethanol over alumina with an ad-  
mixture of cadmium nitrate was studied. Addition of 1  
mole cadmium nitrate to 60 moles alumina causes con-  
version of the latter from a dehydrating catalyst to a  
dehydrogenating catalyst, and with a larger amount of  
cadmium present the character of conversion of alco-  
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